

Kudlay, D. G.

USSR /Microbiology. Medical and Veterinary
Microbiology.

F-6

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35644

Author : Timakov, V.D.; Kudlay, D.G.; Shavronskaya, A.G.;
Spirin, A.S.

Title : An Immunological Study of the Protein Fractions
of Directly Altered Bacteria of the Intestinal
Group

Orig Pub: Zh. mikrobiol., epidemiol., i immunobiologii, 1955,
No. 8, 20-30

Abstract: The antigen structure of intestinal bacilli,
Breslau paratyphous bacteria, alkali-formers
obtained by the cultivation of intestinal bacilli
in a culture of Breslau bacteria killed by heat-
ing, and paratyphoid obtained by the cultivation

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of alkali-formers also in a culture of Breslau bacteria killed by heating, was studied by the method of immuno-chemical analysis. By means of a selection of colonies of named variants and their successive strengthening, strains were obtained, the properties of which when preserved in a semifluid agar (pH 7.4) under vaseline oil, remained unchanged over a period of 6 years. From a microbe mass obtained by means of a washing of a 20-hour agar culture, after treatment with alcohol and ether, nucleoproteids were extracted with the help of 0.14 and 1 M NaCl, and proteins of the non-nucleoproteid type by alkalies. The remainder of the bacterial bodies consisted of proteins with the exception of alkali-formers, which contained also a great quantity of matter of

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a carbohydrate nature. The extracts received were subjected to a fractional precipitation successively with acetic acid, alcohol and acetone. In alkali-formers the fractions of nucleoproteids and neutral proteins precipitated by acetic acid and which are characteristic for three other strains were completely absent. The alcohol soluble protein precipitated by acetone from the salt extract of 0.14 M NaCl, in intestinal bacilli is not at all apparent, in alkali-formers is weakly represented, becomes more apparent in paratyphoids, and is evident much more in the control Breslau culture. Rabbits were immunized with the nucleoproteid and protein preparations received by fractionization and their serum

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was studied in the crossed reactions of precipitation with all the fractions of each of the 4 strains in order to determine the general and specific antigens entering into them. Indicating the genetic bond between the intestinal bacilli and the Breslau bacteria is the presence of group antigens in the majority of their fractions and the presence in paratyphoid bacteria of antigens specific for intestinal bacilli. The fraction of alkali-formers, defined as a residue, contains antigens specific to intestinal bacilli, paratyphoid bacilli, paratyphoid and alkali-formers. In the complex of the fraction of alkali-formers of a one-molar extract containing DNA, an antigen was exposed which was specific to paratyphoid bacilli and paratyphoid. One of the alkali fraction

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Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35644

extracts of paratyphoid contains a group antigen, common to intestinal bacilli, paratyphoid bacilli and paratyphoid; an antigen, common only to alkali-formers and paratyphoid; and an antigen common to intestinal bacilli and paratyphoid. The chemical composition and antigen structure of paratyphoid is extremely close but not identical to that of the Breslau bacteria. The appearance of identical antigens in different fractions of various microbes is evidence of the biochemical reorganization of their nucleoproteids.

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KUDLAY, D.G.

✓A comparative biochemical and immunological study of the directed mutability in some bacteria from the intestines. A. N. Belozerskiy, A. S. Sparin, D. G. Kudlay, and A. G. Skvortsova (Moscow State Univ.) *Biokhimiya* 20, 680-684 (1955).—Studies were conducted with (1) *Escherichia coli* strain CM, grown in glucose-free Tyrode medium in the presence of heat-killed *Salmonella paratyphi*; (2) *S. breisla* No. 70; (3) *Alkaligenes* 11-IV-4 which was evolved from *E. coli* CM by culturing the latter in the presence of heat-killed *S. breisla* No. 70; and (4) *S. paratyphi* No. 70. All evolved from culturing *Alkaligenes* 11-IV-4 on synthetic medium in the presence of heat-killed *S. breisla* No. 70. All 4 types of bacteria were grown in parallel on peptone, 4 types of bacteria of the same type I culture medium at 37° of the same batch of the same type I culture medium at 37° for 20 hrs. Growth was assessed with color, washed again with saline, dried, and others, and vacuum dried. The chem. characteristics of the corresponding bacterial species were established by analyzing them for total N, total P, for purine base N, pentoses, reducing substances (after 4 hrs. hydrolysis with 1N HCl), for total nucleic acids, deoxyribonucleic acid, ribonucleic acid, protein and polysaccharides. *E. coli* grown on synthetic medium in the presence of heat-killed *S. breisla* No. 70 and *Alkaligenes* 11-IV-4 have mutation changes which are reflected in its chem. composition and immunological (antigenic) properties. *Alkaligenes* evolved from *E. coli* acquires a chem. and immunological entity all

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A Comparative Biochemical...

its own. The new strain which is evolved from the newly developed *Alkaligenes* strain, when again grown in the presence of heat-killed *S. breden* No. 70 is a paratyphoid type of mutant, the chem. and immunologic characteristics of which are partly those of the original *S. breden* and partly those of the *Alkaligenes*. The chem. immunologic analysis of the fractions indicated a phylogenetic connection between the experimentally evolved types and the original cultures. The nature of the chemical and immunologic changes which had taken place present evidence of the complex structure of the protoplasm of the intestinal microorganisms under study. Among the protein complexes of the bacterial cells are found two specifically distinct components, one labile which changes from one biological form to another within narrow specific ramifications and a protoplasmic component more stable and equally specific within the ramifications of a broader systematic group. B. S. Levine

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Kudlay, D.G.
USSR / Microbiology. Antibiosis and Symbiosis. Antibiotics

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Abs Jour : Ref Zhur - Biol., No 1, 1958, No 641

Author : Kudlay, D.G., Mitereva, V.G., Bartkovskaya, G.I.

Inst : Not Given *Instit. Epidemiology & Microbiol in N.F. Gamaleya*

Title : Resistance of Saccharolytic Inert Intestinal Group Bacteria to Antibiotics Without Preliminary Adaptation

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 2, 72-77

Abstract : Strains of intestinal bacilli, Shiga's dysentery and the neutral, alkali-forming and acid-forming regenerated filtrable forms obtained from them, as well as alkali producers obtained directly from original cultures without filtration were utilized. Neutral and acid-forming regenerated filtrable forms are sensitive to streptomycin and penicillin to the same degree as are the original cultures. But all the alkali-forming cultures without a preliminary adaptation (contact with antibiotics) withstood hundreds of times stronger concentrations of these preparations. The same rule, though less expressed, was noted with respect to syntomycin. Regarding biotomycin, reverse effects were observed -- the original

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USSR / Microbiology. Antibiosis and Symbiosis. Antibiotics

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 641

cultures were 25 times less sensitive to this preparation than the alkali-forming and neutral forms. The increased resistance to streptomycin and penicillin is noted among the alkali producers isolated from the natural medium, but this property is less clearly expressed.

Card : 2/2

USSR/Microbiology - Antibiosis and Symbiosis. Antibiotics.

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Abs Jour : Ref Zhur - Biol., No 12, 1958, 52805

Author : Timakov, V.D., Kudlay, D.G., Petrovskaya, V.G., Korneeva, A.M., Kodina, L.A.

Inst : -

Title : Comparative Study of Streptomycin-Resistant Variants of Typhoid Bacilli of Different Virulence. Report 1.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 8, 3-8.

Abstract : From the same culture of typhoid bacilli two variants were obtained resistant to 200,000 units of streptomycin, which differed markedly in their virulence. The avirulent variant is characterized by diminished reproduction rate and a considerable decrease in the size of colonies. Comparative chemical analysis showed that the resistant variants differ from the original culture by an increased content of RNA, especially the avirulent strain. The latter

Card 1/2

KUDLAY, D.G.; PETROVSKAYA, V.G.

Characteristics of antigenic properties of R-forms of enteric
bacteria. Zhur.mikrobiol.epid. i immun. 28 no.8:16-22 Ag '57.
(MIRA 11:2)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
ANU SSSR.

(BACTERIA,

Enterobacteriaceae, antigenic properties of R forms (Rus))

KUDLAY, D.G., PETROVSKAYA, V.G., KORNEYEVA, A.M., KODINA, L.A.

Comparative study of streptomycin-resistant variants of *Eberthella typhosa* of different virulence. An immunochemical study of the different antigens [with summary in English]. Antibiotiki 3 no.4:58-63 JL-Ag '58

(MIRA 11:10)

1. Otdel izmenchivosti (sav.-deystvitel'nyy chlen AMN SSSR prof. V.D. Timakov) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR i kafedra biokhimii rasteniy (rukovoditel' - prof. A.N. Belozerskiy) Moskovskogo ordena Lenina gosudarstvennogo universiteta imeni M.V. Lomonosova.

(*EBERTHELLA TYPHOSA*)

(ANTIGENS AND ANTIBODIES)

PETROVSKAYA, V.G.; KUDLAY, D.G.

Comparative study on the streptomycin resistance of strains of *Salmonella typhosa* of various degrees of virulence. Report No.4: Studies on the relationship between virulence of strains and on their requirements for supplementary sources of nutrition. Antibiotiki 3 no.5:109-111 S-O '58. (MIRA 12:11)

1. Otdel izmenchivosti (zav. - deystvitel'nyy chlen AMN SSSR prof.V.D.Timakov) Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR.

(STREPTOMYCIN, eff.

on *Salmonella typhosa*, eff. of auxotrophic properties on virulence of resist. strains (Rus))

(*SALMONELLA TYPHOSA*, eff. of drugs on, streptomycin, eff. of auxotrophic properties on virulence of resist. strains (Rus))

SPIRIN, A.S.; BELOZERSKIY, A.N.; KUDLAY, D.G.; SKAVRONSKAYA, A.G.; MIFTEVA, V.G.

Changes in the composition of nucleic acids during the formation of saccharolytically inert forms of enteric bacteria [with summary in English]. Biokhimiya 23 no.1:154-163 Ja-F '58. (MIRA 11:3)

1. Institut biokhimi im. A.N.Bakha AN SSSR, Biologo-pochvennyy fakul'tet Moskovskogo universiteta i Institut epidemiologii i mikrobiologii im. N.F.Gamaleya AMN SSSR, Moskva.

(NUCLEIC ACIDS, metabolism,

Enterobacteriaceae, eff. of form. of saccharolytic inert strains (Rus)

(BACTERIA,

Enterobacteriaceae, eff. of form of saccharolytic inert strains on nucleic acid metab. (Rus)

KUDLAY, D.G.; PETROVSKAYA, V.G.

Comparative study on resistance of varying degrees of virulence.
Report No.2: Studies on organic nitrogen requirements. Zhur.
mikrobiol.epid. i immun. 29 no.4:32-35 Ap '58. (MIRA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei AMN SSSR.
(SALMONELLA TYPHOSA, effect of drugs on,
streptomycin resist., variability in virulent & non-
virulent strains & nitrogen requirements (Rus)
(STREPTOMYCIN, effects,
on Salmonella typhosa, virulence factor in resist. &
nitrogen requirement (Rus)
(NITROGEN, metabolism,
Salmonella typhosa, role in streptomycin resist. of
virulent & non-virulent strains (Rus)

D. G. KUDLAY

Study of immunochemical variability of microorganisms.

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

ZHDANOV, V.M., red.; VASHKOV, V.I., red.; ZAKHAROVA, M.S., red.;
KUDLAY, D.G., red.; PAVLOV, P.V., red.; RUDNEV, G.P., red.
(Moskva); TIMAKOV, V.D., red. (Moskva); TROITSKIY, V.L., red.;
KHRISTOV, L.N., red. (Moskva); NECHAYEV, S.V., red.;
BEL'CHIKOVA, Yu.S., tekhn.red.

[Transactions of the All-Union Conference of Hygienists, Epidemiologists, Microbiologists, and Infectious Disease Specialists]
Doklady XIII Vsesoiuznogo s"ezda gigienistov, epidemiologov, mikrobiologov i infektsionistov. Pod red. V.M.Zhdanova. Moskva, Gos. izd-vo med.lit-ry Medgiz. Vol.2. [Section on epidemiology, microbiology, infectious diseases, and the organization of the public health system] Otdelenie epidemiologii, mikrobiologii, infektsionnykh boleznei i organizatsii zdavookhraneniia. Pod red. V.I. Vashkova. 1959. 866 p. (MIRA 14:1)

1. Vsesoyuznyy s"ezd gigiyenistov, epidemiologov, mikrobiologov i infektsionistov. 13th.
(EPIDEMIOLOGY--CONGRESSES)

TIMAKOV, V.D.; KUDLAY, D.G.; PETROVSKAYA, V.G.; KORNEYEVA, A.M.; BOGATYREVA, S.A.

Comparative immunochemical investigations on *Salmonella typhosa* of various degrees of virulence. Zhur.mikrobiol.epid. i immun. 30 no.2: 23-29 F '59. (MIRA 12:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i kafedry biokhimii rasteniy Moskovskogo universiteta imeni Lomonosova.

(*SALMONELLA TYPHOSA*,
immuno-chem. aspects of strains with various degrees
of virulence (Rus))

KUDLAY, D.G.; PETROVSKAYA, V.G.; LI KHUAN-LO [Li Huang-lo)

Transduction of a somatic antigen during infection of *Salmonella*
gallinarum with a moderate phage of *Salmonella typhimurium*. Zhur.
mikrobiol.epid.i immun. 30 no.7:45-50 Jl '59. (MIRA 12:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(SALMONELLA)
(BACTERIOPHAGE)
(ANTIGENS)

KUDLAY, D.G.; KANTARVAYEVA, Zh.K.

On the antagonism as a criterion for the determination of microbial species. Zhur.mikrobiol.epid.i immun. 30 no.8:34-39 Ag '59.

(MIRA 12:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(BACTERIA)

KUDLAY, D.G.; SKAVRONSKAYA, A.G.

Assimilation of amino acids by alkaligenous bacteria obtained in experimental conditions. Zhur.mikrobiol., epid. i immun. 30 no.12: 54-55 D '59. (MIRA 13:5)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(BACTERIA metab.)
(AMINO ACIDS metab.)

KUDLAY, D.G.; SKAVRONSKAYA, A.G.; SPIRIN, A.S.

Comparative study of the antigen structure of protein fractions
of bacteria of the intestinal group. Zhur.mikrobiol.epid.i immun.
31 no.1:50-55 Ja '60. (MIRA 13r5)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN
SSSR.

(SALMONELLA immunol.)

(SHIGELLA immunol.)

KUDLAY, D.G.; SOLOV'YEV, N.N.; PROZOROVSKIY, S.V.

Penicillin protoplasts in Enterobacteriaceae. Zhur.mikrobiol.epid.
i immun. 32 no.3:22-28 Mr '61. (MIRA 14:6)

1. Iz Institute epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(PENICILLIN) (INTESTINES—MICROBIOLOGY)

KUDLAY, D.G.; PETROVSKAYA, V.G.; GORSHKOVA, S.F.

Activity of the catalase and peroxidase in typhoid fever bacteria
of varying virulence. Zhur. mikrobiol. epid i immun. 32 no.5:128-
129 My '61. (MIRA 14:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(TYPHOID FEVER) (CATALASE) (PEROXIDASE)

PETROVSKAYA, V.G.; KORNEYEVA, A.M.; KUDLAY, D.G.; SOLOV'YEVA, G.K.;
KHAMKOVA, N.I.

Immunochemical analysis of dissociative forms of typhoid bacteria in
relation to changes in their virulence and immunogenic properties.
Zhur. mikrobiol., epid. i immun. 32 no.9:105-112 S '61.

(MLA 15:2)

1. Iz otdela obshchey meditsinskoy mikrobiologii Instituta epidemiologii
i mikrobiologii imeni Gamalei AMN SSSR i kafedry biokhimii rasteniy
Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.
(EBERTHELLA)

KUDLAY, D.G.; PETROVSKAYA, V.G.; GLADILIN, K.L.

Transfer of resistance to streptomycin by means of the action
deoxyribonucleic acid on the protoplast of sensitive bacteria
of the Salmonella group. Zhur.mikrobiol., epid. i immun. 32
no.10:25-29 0 '61. (MIRA 14:10)

1. Iz Instituta epidemiologii i mikrobiologii im. Gamalei AMN SSSR.
(SALMONELLA) (STREPTOMYCIN) (NUCLEIC ACIDS)

EUGROVA, V.I., kand. med. nauk; VINOGRADOVA, I.N., kand.biol. nauk;
 D'YAKOV, S.I., kand. med. nauk; ZHDANOV, V.M., prof.;
 ZHUKOV-VEREZHNIKOV, N.N., prof.; ZEMTSOVA, O.M., kand.
 med. nauk; IMSHENETSKIY, A.A., prof.; KALINA, G.P., prof.;
 KAULEN, D.R., kand. med. nauk; KOVALEVA, A.I., doktor med.
 nauk; KRASIL'NIKOV, N.A., prof.; KUDLAY, D.G., doktor biol.
 nauk; LEDEDEVA, M.N., prof.; PENETS, L.G., prof. [deceased];
 PEKHOV, A.P., doktor biol. nauk; PLANEL'YES, Kh.Kh., prof.;
 POGLAZOVA, M.N., kand. biol. nauk; PROZOROV, A.A.; SINITSKIY,
 A.A., prof.; FEDOROV, M.V., prof. [deceased]; SHANINA-VAGINA,
 V.I., kand.biol. nauk; VYGODCHIKOV, G.V., prof., zamestitel'
 otv. red.; ADO, A.D., prof., red.; BAROYAN, O.A., prof., red.;
 BILIBIN, A.F., prof., red.; BOLDYREV, T.Ye., prof., red.;
 VASHKOV, V.I., doktor med. nauk, red.; VYAZOV, O.Ye., doktor
 med. nauk, red.; GAUZE, G.F., prof., red.; GOSTEV, V.S., prof.,
 red.; GORIZONTOV, P.D., prof., red.; GRINBAUM, F.T., prof.,
 red. [deceased]; GROMASHEVSKIY, L.V., prof., red.; YELKIN, I.I.,
 prof., red.; ZASUKHIN, L.N., doktor biol. nauk, red.;
 ZDRODOVSKIY, P.F., prof., red.; KAPICHNIKOV, M.M., kand. med.
 nauk, red.; KLEMPARSKAYA, N.N., prof., red.; KOSYAKOV, P.N.,
 prof., red.; LOZOVSKAYA, Ye.S., kand. med. nauk, red.;
 MAYSKIY, I.N., prof., red.; MUROMTSEV, S.N., prof., red.
 [deceased];

(Continued on next card)

BUGROVA, V.I.---(continued) Card 2.

NIKITIN, M.Ya., red.; NIKOLAYEVA, T.A., red.; PAVLOVSKIY, Ye.N., akademik, red.; PASTUKHOV, A.P., kand. med. nauk, red.; PETRISHCHEVA, P.A., prof., red.; POKHOVSKAYA, M.P., prof., red.; POPOV, I.S., kand. med. nauk, red.; ROGGIN, I.I., prof. red.; RUDNEV, G.P., prof., red.; SERGIYEV, F.G., prof., red.; SKRYABIN, K.I., akad., red.; SOKOLOV, M.I., prof. red.; SOLOV'YEV, V.D., prof., red.; TRIBULEV, G.P., dotsent, red.; CHUMAKOV, M.P., prof., red.; SHATROV, I.I., prof., red.; TIMAKOV, V.D., prof., red.toma; TROITSKIY, V.L., prof., red.toma; PETROVA, N.K., tekhn.red.;

[Multivolume manual on the microbiology, clinical aspects, and epidemiology of infectious diseases] Mnogotomnoe rukovodstvo po mikrobiologii klinike i epidemiologii infektsionnykh boleznei. Otv. red. N.N.Zhukov-Verezhnikov. Moskva, Medgiz. Vol.1. [General microbiology] Obshchaya mikrobiologiya. Otv. red. N.N.Zhukov-Verezhnikov. 1962. 730 p. (MIRA 15:4)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Zhdanov, Zhukov-Verezhnikov, Vygodchikov, Bilibin, Vashkov, Gromashevskiy, Zdrodovskiy, Rudnev, Sergiyev, Chumakov, Timakov, Troitskiy).

(Continued on next card)

BUGROVA, V.I.---(continued) Card 3.

2. Chlen-korrespondent Akademii nauk SSSR (for Imshenetskiy, Krasil'nikov). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Planel'yus, Baroyan, Boldyrev, Gorizontov, Petrishcheva, Rogozin). 4. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Muromtsev).

(MICROBIOLOGY)

KUDLAY, D.G.; CHZHOU GUAN'-YUAN' [Chou Kuan-yüan]; PROZOROVSKIY, S.V.

Mutagenic action of antibiotics. Report No.1: Production of auxotrophic mutants of *S. typhimurium* from antibiotic-resistant cultures. Antibiotiki 7 no.4:291-296 Ap '62.
(MIRA 15:3)

1. Otdel obshchey meditsinskoy mikrobiologii (zav. - prof. V.D. Timakov) Instituta epidemiologii i mikrobiologii AN SSSR imeni N.F. Gamalei.

(SALMONELLA TYPHIMURIUM)

(ANTIBIOTICS)

KUDLAY, D.G.; CHZHOU GUAN'-YUAN' [Chou Kuan-Yüan]; PROZOROVSKIY, S.V.

Mutagenic action of antibiotics. Report No.2: Properties of auxotrophic mutants obtained from a prototrophic lysogenic culture of *Salmonella typhimurium* under the action of various antibiotics. Antibiotiki 7 no.5:460-464, My '62. (MIRA 15:4)

1. Otdel obshshey meditsinskoy mikrobiologii (zav. - prof. V.D. Timakov) Instituta epidemiologii i mikrobiologii AMN SSSR imeni N.P.Gamalei.

(ANTIBIOTICS)

(SALMONELLA TYPHIMURIUM)

KUDLAY, D.G.; CHZHOU GUAN'-YUAN' [Chou Kuan-yüan]; PROZOROVSKIY, S.V.

Mutagenic action of antibiotics. 'Virulent and immunogenic properties of antibiotic-resistant auxotrophic and prototrophic bacteria. Antibiotiki 7 no.6:543-548 Je '62. (MIRA 15:5)

1. Otdel obshchey meditsinskoy mikrobiologii (zav. V.D.Timakov)
Instituta epidemiologii i mikrobiologii imeni N.F.Gamalei AN SSSR.
(ANTIBIOTICS) (SALMONELLA TYPHIMURIUM)

KUDLAY, D.G.

Inhibiting action of *S. typhimurium* desoxyribonucleic acid on *S. gallinarum* protoplasts. Zhur.mikrobiol., epid. i immun. 33 no.3: 62-64 Mr '62. (MIRA 15:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMI SSSR.

(SALMONELLA)

(NUCLEIC ACIDS)

KUDLAY, D.G.

"Physiology of substance metabolism in micro-organisms in connection with their functional evolution" by V.N. Shaposhnikova. Reviewed by D.G. Kudlai. Zhur. mikrobiol., epid. i immun. 33 no.3:140-143 F '62. (MIRA 15:3)

(MICRO-ORGANISMS)

(METABOLISM)

(SHAPOSHNIKOVA, V.N.)

KUDLAY, D.G.; BELYAKOV, V.D.; DYGIN, V.P.; SINITSKIY, A.A.;
ZEMSKOV, M.V.; ZOLOTNITSKIY, M.Yu.

Book reviews and bibliography. Zhur. mikrobiol., epid. i
immun. 40 no.2:122-133 F '63. (MIRA 17:2)

LIKHODED, V.G.; KUDLAY, D.G.

Colicins of enteropathogenic *Escherichia coli* and their
typing according to the specificity of colicin-resistant
mutants. Zhur. mikrobiol. epid. i immun. 40 no.5:128-
132 My '63. (MIRA 17:6)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR.

TIMAKOV, V.D.; KUDLAY, D.G.; PETROVSKAYA, V.G.; LIKHODED, V.G.;
DAVIDOVA, N.V.

Colicinogenicity as a general biological problem. Vest. AMN
SSSR 19 no.1:60-72 '64. (MIRA 17:7)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamalei
AMN SSSR.

LARIONOVA, T.I.; KUDLAY, D.G.; TASHFULATOV, R.Yu.

Comparative study of phosphatase activity in *Escherichia coli* of pathogenic and nonpathogenic serological types. Zhur. mikrobiol., epid. i immun. 41 no.1:59-63 Ja '64. (MIRA 18:2)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR, Moskva.

GOLUBEVA, I.V.; KUDLAY, D.G.; LIKHODED, V.G.

Epidemiological significance of the determination of colicin
production in pathogenic types of Escherichia coli. Zhur.
mikrobiol., epid. i immun. 41 no.5:116-119 My '64.

(MIRA 18:2)

1. Moskovskiy institut vaktsin i syvorotok imeni Mochnikova i
Institut epidemiologii i mikrobiologii imeni Gamalei AMN .SSR.

KUDLAY, D.G.; LIKHODED, V.G.; GOLUBEVA, I.V.

Correlation of the colicinogenicity type with the antigenic composition of pathogenic *Escherichia coli*. Zhur. mikrobiol., epid. i immun. 41 no.9:65-69 S '64. (MIRA 18:4)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i institut vaktsin i syvorotok imeni Mechnikova.

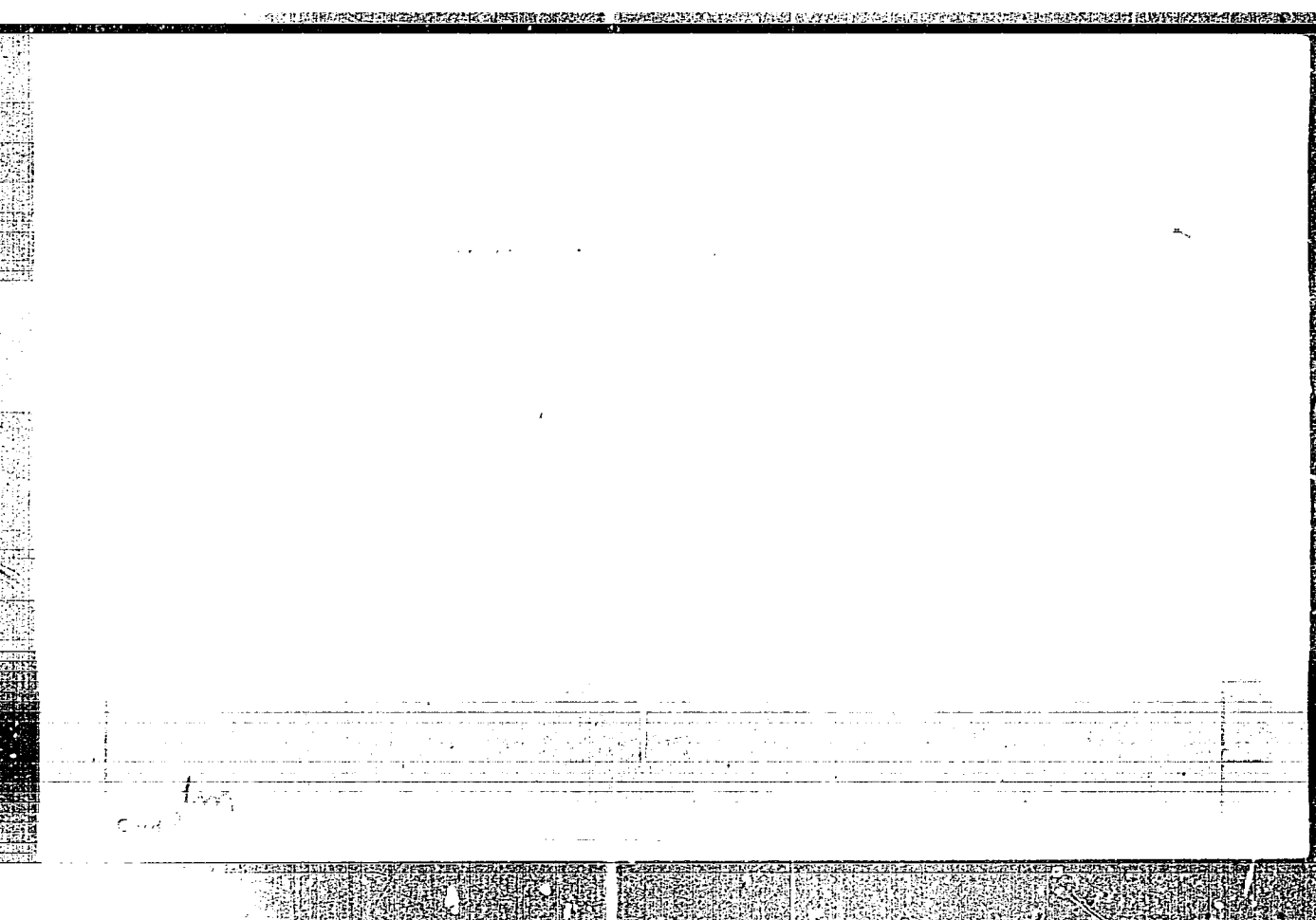
LIKHCHED, V.G.; AUDLEY, D.G.; GOLUBOVA, I.V.

Sensitivity of pathogenic and basal Escherichia coli to various
types of colicins. Zhur. mikrobiol., epid. i immu. 41 no.11:
85-90 '65. (MIRA 18:5)

1. Institut epidemiologii i mikrobiologii imeni Gamalei i
Moskovskiy institut vaktsin i syvorotok imeni Mechnikova.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000827120011-9



APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000827120011-9"

KUDLAY, D.G.; GIRDO, B.M.

Induced synthesis of colicins. Antibiotiki 10 no. 2 1979-1980 P 165.
(MIRA 18:5)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR,
Moskva.

KORNEYEVA, A.M.; KOL'CHINSKAYA, T.A.; KUDLAY, D.G.; TASHPULATOV, R.Yu.

Comparative biochemical study of ecologically related strains of
Escherichia coli with different antigen characteristics. Biokhimiia
30 no.2:241-247 Mr-Apr '65. (MIRA 18:7)

1. Kafedra biokhimii rasteniy gosudarstvennogo universiteta imeni
Lomonosova i Institut epidemiologii i mikrobiologii imeni Gamalei
AMN SSSR, Moskva.

DAVYDOVA, N.V.; KUDLAY, D.G.; PETROVSKAYA, V.G.

Selection of indicator strains for the typing of colicinogenic
Escherichia coli cultures. Report No.2: Use of colicinogenic re-
combination agents for the differentiation of colicins with a
group specificity. Zhur. mikrobiol., epid. i immun. 42 no.8:
96-99 Ag '65. (MIRA 18:9)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AN SSSR.

LARIONOVA, T.I.; KUDLAY, D.G.; PETROVSKAYA, V.G.

Oxidative metabolism in salmonella of various virulence. Zhur.
mikrobiol., epid. i immun. 42 no.8:145-146 Ag '65. (MIRA 18:9)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AN SSSR.

ODNOSUM, K.I., nauchnyy sotrudnik; KUDLAY, F.A., nauchnyy sotrudnik;
CHERNYAK, YU.I., nauchnyy sotrudnik

Mechanization is an important factor in farm management. Mekh.
sil'. hosp. 11 no.6:3-4 Je '60. (MIRA 13:11)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii
i elektrifikatsii sel'skogo khozyaystva.
(Farm mechanization)

KUDLAY, F.A.; DOLGIY, L.P. [Dolhyi, L.P.]

We won't stop at 730 centners! Mekh. sil'. hosp. 12 no. 3:6-7
Mr '61. (MIRA 14:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.
(Corn (Maize))

DANILEVICH, Stefan Yuzefovich [Danylevych, S.IU.]; DIDENKO, Nikolay Kirillovich; KOVAL'CHUK, Vasiliy Il'ich; KUDLAY, Fedor Andreyevich; GRIN', Anatoliy Lavrentiyevich [Hrin', A.L.]; BABUK, V.B., red.; KOSOBESKIY, V.A. [Kosova'kyi, V.A.], red.; POTOTSKAYA, L.A. [Potots'ka, L.A.], tekhn. red.

[Over-all mechanization of corn production] Kompleksna mekhanizatsiia vyrobnytstva kukurudzy. Kyiv, Izd-vo Ukr. Akad. sil'skohosp. nauk, 1962. 194 p. (MIRA 16:4)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Babuk).
(Ukraine--Corn (Maize))
(Ukraine--Agricultural machinery)

KUDLAY, L.K., aspirant

Allergic dermatosis. Trudy KGMJ no.10:285-289 '83.

(MIRA 18:1)

1. Iz kafedry kozhnykh bolezney (zav. kafedroy - prof. G.Kh. Khachatur'yan [deceased]) Kalininskogo gosudarstvennogo meditsinskogo instituta.

NOVITS'KIY, Oleksa; KUDLAY, O.. redaktor; MINEVICH, I., tekhnicheskyy redaktor.

[Maksym Serdyuk, innovator of gas pressure welding methods] Maksym Serdiu, novator gasopresovoho zvariuvania. Kyiv, Derzh.vyd-vo tekhn. lit-ry Ukrainy, 1950. 54 p. (MLRA 8:2)
(Serdyuk, Maksym Antonovich) (Oxyacetylene welding and cutting)

SLYN'KO, Ivan Ivanovich ; KUDLAY, O.S., kand. istor. nauk, otv. red.; GONCHAROVA, V.M., red. izd-va; MATVIICHUK, O.O., tekhn. red.

[Socialist reorganization and technical modernization of Ukrainian agriculture in 1927-1932] Sotsialistychna perebudova i tekhnichna rekonstruktsiia sel's'koho hospodarstva Ukrainy, 1927-1932 rr. Kyiv, Vyd-vo Akad. nauk URSR, 1961. 324 p. (MIRA 14:7)
(Ukraine—Agriculture)

KUDLAYENKO, V.; ORINITSKAYA, A.

Improved wiring diagram for the LM-1-1000 winch. Mias. ind.
SSSR 32 no.4:39 '61. (MIRA 14:9)

1. Vinnitskiy myasokombinat.
(Winches)

KUDLAYENKO, V.G. [Kudlaienko, V.H.]; GRINITSKAYA, A.I. [Hrynits'ka, A.I.]

Improving the electric circuit of the LM-1-1000 winch.
Khar.prom. no.1:55 Ja-Mr '62. (MIRA 15:8)

1. Vinnitskiy myasokombinat.
(Hoisting machinery--Electric drive)

KUDLER, Jiri, inz. CSc.; TEMMLOVA, Bozena, inz.

Critical number of the sawfly Neodiprion sertifer Geoffr.
Les cas 10 no.9:789-800 S '64.

1. Research Institute of Forestry and Game Keeping, Zbraslav-
Strnady.

CZECHOSLOVAKIA / Plant Diseases. Diseases of Trees.

Abs Jour : Ref Zhur - Biol., No 9, 1958, No 39652

Authors : Urosevic, B.; Kudler, J.

Inst : Not given

Title : The Evaluation of Acorn Contamination in the 1955 Crop
in Various Acres of the Prague and Brno Provinces.

Orig Pub : Lesn. prace, 1956, 35, No. 5, 200-205.

Abstract : No abstract given.

Card 1/1

KUDLER, J.

CZECHOSLOVAKIA / General and Specialized Zoology.
Insects. Forest Pests.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78398
Authors : Kalandra, Pivets, Kudler, J.
: Not Given
Inst : Control of Mass Forest Pests in Czechoslovakia
Title : in Recent Years.

Orig Pub : Lesn. prace, 1957, 36, No. 2, 59-62

Abstract : Review of the control measures of mass pests and diseases of forests, and their results. There is a description of the control of the oak leaf roller, the gypsy moth, the winter moth, the pine moth, the nun moth, fir leaf sawfly, spruce web-spinning sawfly, fir black sawfly, Pachynomatus scutellatus, Chelmatobia boreata and Arethymus sp. A few of the distributed fungus diseases of forest species are also mentioned.

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Orig

Abstract : No abstract given.

Card 1/1

KUDLER, J.

CZECHOSLOVAKIA / General and Specialized Zoology.
Insects. Forest Pests.

P

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78398

Authors : Kalandra, Pivets, Kudler^{J.}, Kolubajiv, Hinterbuch-
ner, Patocka. ^

Inst : Not given

Title : Control of Mass Forest Pests in Czechoslovakia
in Recent Years.

Orig Pub : Lesn. prace, 1957, 36, No. 2, 59-62

Abstract : Review of the control measures of mass pests and
diseases of forests, and their results. There is
a description of the control of the oak leaf roller,
the gypsy moth, the winter moth, the pine moth
nun moth, fir leaf roller, spruce web-spinning
sawfly, fir black sawfly, *Pachynomatus scutell-*
atus, *Cheimatobia boreata* and *Arethymus* sp. A
few of the distributed fungus diseases of forest
species are also mentioned.

Card 1/1

CZECHOSLOVAKIA / General and Specialized Zoology. Insects P
Forest Pests.

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 78325

Authors : Pivetz, B.; Kudler, J.; Jancarík, V.

Inst : Not given

Title : Condition of the Basic Insect-Pests in 1957,
and a Prognosis of Their Distribution in the
Forests of Czechoslovakia in the Current Year.

Orig Pub : Lesn. prace, 1958, 37, No. 2, 75-79.

Abstract : No abstract given.

C..

Card 1/1

CZECHOSLOVAKIA / Plant Diseases. Forest Trees.

0-1

Abs Jour: Ref Zhur-Biol., 1958, No 17, 78000

Author : Pivetz, B.; Kudler, J.; Jancarik, V.

Inst : Not given

Title : Basic Diseases of Tree Species in 1957, and
Prognosis of Their Appearance in 1958, in the
Forest of the Czechoslovakian Republic.

Orig Pub: Lesn. prace, 1958, 37, No 3, 124-126

Abstract: No abstract.

Card 1/1

3

KUDLER, J.

[Faint, mostly illegible handwritten text, possibly a list or notes]

KUDLER, Jiri, inz., C.Sc.

Re-examination of the critical number of the pine looper (*Bupalus piniarius* L.). Les cas 9 no.1:23-34 Ja '63.

1. Vyzkumny ustav lesniho hospodarstvi i myslivosti, Zbraslav-Strnady.

KUDLER, Jiri, inz., C.Sc.

Information on forest protection in Sweden. Les cas 9 no.1:
85-88 Ja '63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti, Zbraslav -
Strnady.

KUDLER, Jiri, inz. CSc.; LYSFENKO, Oleg. promovany biolog, CSc.

Experiments in the biological control of the satin moth
(*Leucoma salicis* L.) by pathogenic microorganisms. Les
cas 9 no.9:787-798 S'63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti,
Zbraslav- Strnady i Entomologicky ustav, Ceskoslovenska
akademie ved, Praha.

HUDLER, Jiri, Ing. CSc.

Infection of the European pine sawfly (*Neodiprion sertifer* Geoffr.) by virus dissemination at the stage of its mass outbreak regression. Les cas 11 no. 4, 350-360. Ap 1965.

1. Research Institute of Forestry and Game Keeping,
Zbraslav-Sternady. Submitted February 29, 1964.

WRONSKA-NOFER, Teresa; KUDLICKA, Barbara

Alkaline phosphatase activity resulting from chronic carbon disulfide poisoning in rats. Med. pracy 16 no.2:82-85 '65.

1. Z Zakładu Toksykologii Przemysłowej Instytutu Medycyny Pracy
w Łodzi (Dyrektor: doc. dr. J. Nofer).

KUDLICKA, E.

Tenth anniversary of the foundation of the Chair of Petroleum,
Processes, and Apparatus at the Slovak Higher School of
Technology. Ropa a uhlie 5 no.8:226 Ag'63

1. Riaditel Vyskumneho ustavu pre ropu a uhlovodikove plyny,
Slovnaft, n.p. Bratislava.

KUDLICKA, Emil, inz.

Slovnaft, 15 years after the liberation. Nova technika no.3:100-104
Mr '60.

1. Vyrobnotechnicky namestnik riaditeľa.

KUDLICKA, Emil

Evaluation of the 7th Conference of the Petroleum Industry. Ropa
a uhlie 4 no.12:380 D '62.

KUDLICKA, Emil

Czechoslovak petroleum industry after the 12th Congress of the
Communist Party of Czechoslovakia. Ropa a uhlí 5 no.3:65-66
Mr '63.

1. Riaditel Vyskumného ústavu pre ropu a uhľovodíkové plyny,
Slovnaft, n.p., Bratislava.

KUDLICKA E., inz.

Processing of heavy fuel oils. Rota a uhle 7 no.1:17-21 Ja '65.

1. Slovnaft National Enterprise, Bratislava.

BOLELOUCKY, Z.; KUDLICKA, J.

On results of surgical treatment of developmental anomalies of the uterus. Cesk. gynek. 27 no.10:702-704 D '62.

1. I gyn.-por. lek. fak. UJEP v Brne, prednosta prof. dr.
L. Havlasek.

(UTERUS)

POSPISIL, V., Primar MUDr; KUDLICKA, V., MUDr; SOUCKOVA, E., MUDr

Dangers of ACTH therapy in bronchial asthma. Prakt.lek., Praha
35 no.7:163-164 5 Apr 55.

(ASTHMA, therapy,

ACTH, dangers)

(ACTH, ther. use,

asthma, dangers)

Chemical Warfare in the Tropics

4

KUHN, Andrzej; KUDLINSKA, Ewa

Preliminary results of the research on the Szczecin landslide.
Kwartalnik geol 6 no.2:425-426 '62.

1. Zaklad Geologii Inzynierskiej, Instytut Geologiczny, Warszawa.

KUDCINSKA, Ewa

POLAND

KUDCINSKA, Ewa

Department of Geological Engineering of the Geological
Institute (Zaklad Geologii Inzynierskiej Instytutu Geo-
logicznego)

Warsaw, Kwartalnik geologiczny, No 3, 1963, pp 523-25.

"Research Methods for Investigation of Granulometric
Arrangement of Silty Soil after the Example of Septarian
Clays of the Szczecin Region".

KUDLINSKA, Ewa

Remarks on the U-pipe method of determining soil granulation.
Kwartalnik geol 6 no.4:774-775 '62.

1. Zaklad Geologii Inzynierskiej, Instytut Geologiczny, Warszawa.

KUDIO, A.M., inzh.

Switch devices. Bezop.truda v prom. 3 no.1:25 Ja '59. (MIRA 12:3)
(Pressure vessels--Safety measures)

KUDIC, B.P.; CHITANT, T.A.

Applicability of the dynamic method of calculating the elements
of ocean currents in the Barents Sea. Trudy GOIN no.86:100-111
'65. (MIRA 18:9)

KUDLO, B.P.

Some data on water exchange between the Barents and the Norwegian
Seas. Trudy GOIN no.64:33-38 '61. (MIRA 14:8)
(Barents Sea--Ocean currents)
(Norwegian Sea--Ocean currents)

C. KUDLO, B.P.

Method for testing the accuracy of observations on the sea level.
Meteor. i gidrol. no.6:41-42 Je '62. (MIRA 15:6)
(Hydrographic surveying)

BABICH, V.A., inzh.; KUDLO, M.M., inzh.

New design of the housing of the front bearing of TMZ steam turbines. *Energomashinostroenie* 9 no.11:41 N '63. (MIRA 17:2)

MAKSIMOV, Aleksandr Pavlovich. Prinsipali uchastiye: PUSHKARENKO, G.V., arkhitektor; MIGAY, I.B., dotsent; KOZACHENKO, V.S., dotsent; KUDLOV, L.V., assistant. DANILEVSKIY, A.S., otv.red.; KRA-SOVSKIY, I.P., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Industrial residential and public buildings and structures for mining enterprises] Promyshlennye i grazhdanskie zdania i sooruzheniia gornyykh predpriyatii. Izd.2. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959. 492 p. (MIRA 13:2)

1. Dneprogiproshakht (for Pushkarenko). 2. Dnepropetrovskiy inzhenerno-stroitel'nyy institut (for Migay, Kozachenko). 3. Kafedra stroitel'stva gornyykh predpriyatiy Dnepropetrovskogo gornogo instituta (for Kudlov).
(Mine buildings) (Mining engineering)

SHIROCHENKO, Ye.V., kand.tekhn.nauk [deceased]; CHUDNOVSKIY, V.Yu., inzh.;
TRUDOV, V.N., inzh.; KUDLOV, L.V., inzh.; MURZINA, Z.I., inzh.

Experimental checking of the design calculations of the metal
structures of mobile transport bridges. Ugol' Ukr. 6 no.5:
13-16 My '62. (MIRA 15:11)

1. Dnepropetrovskiy gornyy institut.
(Transport bridges--Design and construction)
(Ukraine--Strip mining)

USSR/Microbiology. Microbes pathogenic for man and
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1958, 5748

Author : Kudlya D. G. , Petrovaskaya V. G.

Inst : Not given

Title : On the Peculiarities of the Antigenic Properties of R-form Bacteria of the Coli Group

Orig Pub : Zh. mikrobiol., epidemiol., i immunologii, 1957, No 8, 16-22

Abstract : Variants with various degrees of coarseness were experimentally obtained in the investigation of the dissociation of Flexner's dysentery bacteria. The following served as criteria for the determination of typical R-forms: the positive tripaflavine test; the inagglutinability of the specific polyvalent serum;

Card 1/2

43

USSR/Microbiology. Microbes pathogenic for man and
Animals

Abs Jour : Ref Zhur-Biol., No 13, 1958, 5748

Abstract : high anticomplement properties; spontaneous RA when heated with physiological solution. Variants with these indices have no complete antigen. It was established on rabbits that the coarse variants did not possess agglutinability but stimulated the formation of antibodies to S-cultures in high titers. The same was observed when R-variants of typhoid bacteria obtained in the process of their artificial adaptation to syntomycin were studied. The loss of agglutinability and the preservation of the antigenic properties by R-forms the authors explain as being due to the fact that in the process of dissociation the microbic cell to some degree loses its superficially situated complete antigen, retaining the ability to develop O-anti-

Card 2/2

STOLMAKOVA, A.I., prof.; KUDLYK, I.S.

Ascorbic acid content of vegetable products of districts affected
by endemic goiter. Vrach.delo no.5:515-518 My '59. (MIRA 12:12)

1. Kafedra gigiyeny pitaniya (zav. - prof. A.I. Stolmakova) L'vov-
skogo meditsinskogo instituta.

(ASCORBIC ACID) (UKRAINE, WESTERN--VEGETABLES) (GOITER)

STOLMAKOVA, A. I., prof.; BYSHEVSKIY, A. Sh.; KUDLYK, I. S.

Vitamin B₁, B₂ and C content in the milk of cows from areas with an endemic distribution of goiter and from areas free of this disease. Vrach. delo no.3:131-134 Mr '62. (MIRA 15:7)

1. Kafedra gigiyeny pitaniya (sav. - prof. A. I. Stolmakova)
L'vovskogo meditsinskogo instituta.

(GOITER) (VITAMINS) (MILK—ANALYSIS AND EXAMINATION)

KUDNA, E.

Hay

Hundred centners of hay from a hectare. Kolkhozroizv., 12, No 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952, 2 Uncl.

KUDNIK, I. R., IMISHANOV, N. N., SIGAL, I. M.

Axles

Cast hollow wagon axle made by centrifugal casting. Lit. proiz., No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

КУДМЕТОВ Ю. И.

"dependence of the absorption of a number of diethiophosphoric acids through the skin on their chemical structure, on the dependence of the toxic effect on the area of application, etc."

Report presented at the 2nd All-Union Scientific Conference on the Hygiene and Toxicology of Pesticides, Ministry of Health USSR Committee on the Study and Regulation of New Poisonous Chemicals of the Main State Sanitary Inspection USSR and Kiev Institute of Labor Hygiene and occupational Diseases, Kiev 17-19 Oct 1962.
(Gigiyena i Sanitariya, No. 3, 1963 p. 104-105.)

Kiev Institute of Labor Hygiene and Occupational Diseases.

KONOPKAYTE, S.I.[Konopkaite, S.]; PAKARSKITE, K.I.[Pakarskyte, K.];
DACHYULITE, Ya.A.[Daculyte, J.]; KUDOKAS, S.P.;
GIBAVICHYUTE, A.S.[Gibaviciute, A.]

Preservation of North Sea herring in chilled seawater. Part 2:
Biochemical research. Khol. tekhn. 39 no.5:29-32 S-0 '62.
(MIRA 16:7)

1. Institut botaniki AN Litovskoy SSR.
(Fishery products—Preservation)
(Cold storage on shipboard)
(Biochemistry)

KUTCHENOV, V.P.

USSR/Medicine - Roentgen Rays,
Effects of
Medicine - Regeneration

"Sensitizing Tissues to X-Rays," E. Ye. Smanskiy, P.M. Vershevskiy, V.F. Kutikotsev,
Ukrainian Roentgen-Radiol and Oncol Inst, Khar'kov, 2 pp

"Dok Ak Nauk SSSR" Vol LXV, No 4

Investigated sensitizing characteristics of several contrast mediums (fluorescein, neutral red, Congo red), using process of regeneration of triton extremities.

Submitted by Acad A. I. Oparin, 2 Feb 49

PA 41/49T58

KUDOKOTSEE, V. P.

178T6

USSR/Biology - Radiology

1 Feb 51

"On the question of the Possibility of Restoring the Regenerative Capacity of Amphibia Limbs Subsequently to Irradiation With X-Rays," E. Ye. Usmanov, V. P. Kudokotsee, Inst of Biol, Khar'kov State U imeni A. M. Gor'k'iy

"Dokl Ak Nauk SSSR" Vol LXXVI, No 4, pp 605-608

New technique of exp't on axolotls and newts led to results which apparently disprove L. D. Lyosner's conclusion (cf. "Dokl Ak Nauk SSSR" Vol LXXV, No 1, 1947) that contact with implanted healthy tissue restores regenerative capacity of tissue damaged by exposure to X-rays. Authors assume L. D. Lyosner's

178T6

USSR/Biology - Radiology (Contd)

1 Feb 51

restored regenerative capacity of tissue damaged by exposure to X-rays. Authors assume Lyosner's results were due to insufficient irradiation.

178T6

235713

USSR/Biology - Regeneration
Medicine - Healing of Wounds

11 Sep 52

"Stimulation of the Regenerative Process in Ex-
tremities of Mammals as a Result of the Action of
the Action of Parathyroid Hormone," E. Ye. Ivan-
sky, V.P. Kudokotsey

"Dok Ak Nauk SSSR" Vol 86, No 2, pp 437-440

Found by experimenting on rats that injection of
parathyroid hormone stimulates considerably re-
generation of the distal section of the foreleg
upon amputation. Earlier work by L.N. Zhinkin
and A.M. Studitskiy demonstrated that the

regenerative capacity of muscle tissue is much
greater in mammals than in tailless amphibians.
However, mammals have lost the ability to re-
generate an extremity completely, because rapid
healing of the wound is more important for their
survival.

235713

KUDOKTSEV, V.P

"Investigation of Conditions for Initiating the Process of Regeneration
in the Extremities of Vertebrates." Cand Biol Sci, Khar'kov State U, Khar'kov,
1953. (IzZhBiol, No 8, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR
Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

KUDOKOTSEV, V.P.

Tissular interrelations in limb regeneration of the axolotl.
Uch.zap. KHGU 51:13-21 '54. (MIRA 11:11)
(Axolotls) (Regeneration (Biology))

KUDOKOTSEV, V.P.

Heterogeneity of skin from different parts of the amphibian
body in limb regeneration. Uch.zap. KHGU 51:23-42 '54.
(MIRA 11:11)

(REGENERATION (BIOLOGY)) (SKIN) (AXOLOTLIS)

KUDOKOTSEV, V.P.; UGRYUMOVA, R.S.

Effect of hypophsectomy on limb regeneration in anurous amphibians.
Uch. zap. KHGU 79:81-87 '57. (MIRA 11:11)

1. Kafedra zoologii bespozvonochnykh Khar'kovskogo gosudarstvennogo
universiteta.

(Frogs) (Regeneration (Biology)) (Pituitary body)

KUDOKOTSEV, V.P.

Stimulation of limb regeneration in vertebrate animals. Uch. zap.
KHGU 79:89-97 '57. (MIRA 11:11)

1. Kafedra zoologii bespozvonovnykh Khar'kovskogo gosudarstvennogo
universiteta.

(Regeneration (Biology)) (Extremities (Anatomy))
(Parathyroid glands)

17 (4)
AUTHOR:
TITLE:

PERIODICAL:
ABSTRACT:

Kudokotsev, V. P.
Regeneration of Extremities in Ablepharus deserti Strauch
(Regeneratsiya konechnostey u pustynnogo gologlaza (Ablepharus
deserti Strauch))
Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 1141 - 1144

As is well known some lizard species are able to regenerate their extremities imperfectly. The species mentioned in the title has this property (Refs 3, 7). With the reptiles these processes are insufficiently investigated in contrast to amphibians (Refs 6, 8). Since the lizards belong to the most interesting terrestrial amniote vertebrates, the problem mentioned is interesting. Its results must contribute to the comprehension of the regeneration of living on land. With the right hind-legs were subjected under the conditions of the regeneration processes are interesting. The results of the said lizards the right hind-legs were amputated in the distale 1/3 of the upper part of the thigh. The first was made on the 1st, 2nd, 5th, 7th, 10th, 12th, 15th, 30th, 40th, 60th, 106th, and 120th day after the amputation.

Card 1/3